

AMENDMENT NO. 1
STANDARD FORM OF AGREEMENT BETWEEN OWNER AND DESIGN
PROFESSIONAL (CONSTRUCTION MANAGER AT RISK)
(212233.3, Contract No. C23-1009)

This Amendment No. 1 (“Amendment”) to the City of Glendale Standard Form of Agreement Between Owner and Design Professional (Construction Manager at Risk) (“Agreement”) is made this _____ day of _____, 2025, (“Effective Date”), by and between the City of Glendale, an Arizona municipal corporation (“City”) and Wilson Engineers, LLC, an Arizona limited liability company, authorized to do business in Arizona (“Contractor”).

RECITALS

- A. City and Wilson Engineers, LLC (“Contractor”) previously entered into a Standard Form Agreement between Owner and Design Professional (Construction Manager at Risk), Contract No. C23-1009, dated September 26, 2023 (“Agreement”); and
- B. The City is seeking to expand the scope of services and increase compensation to be paid under this agreement by an additional \$794,216.00.
- C. City and Contractor wish to modify and amend the Agreement subject to and strictly in accordance with the terms of this Amendment.

AGREEMENT

In consideration of the mutual promises set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the City and Contractor hereby agree as follows:

- 1. **Recitals.** The recitals set forth above are not merely recitals, but form an integral part of this Amendment.
- 2. **Term.** The term of the Agreement is unchanged and shall expire on March 31, 2028.
- 3. **Scope of Work.** The scope of work shall be revised to include additional services as shown in the attached Exhibit A.
- 4. **Compensation.** The compensation shall be increased by an additional \$794,216.00 per the attached Exhibit B.
- 5. **Insurance Certificate.** Current certificate will expire on December 31, 2025 and a new certificate applying to the extended term must be provided prior to this date to Finance Director and the Contract Administrator.
- 6. **Non-discrimination.** Contractor must not discriminate against any employee or applicant for employment on the basis of race, color, religion, sex, national origin, age, marital status, sexual orientation, gender identity or expression, genetic characteristics, familial status, U.S. military veteran status or any disability. Contractor will require any Sub-contractor to be bound

to the same requirements as stated within this section. Contractor, and on behalf of any subcontractors, warrants compliance with this section.

7. **No Boycott of Israel.** To the extent A.R.S § 35-393 through § 35-393.03 are applicable, the parties hereby certify that they are not currently engaged in, and agree for the duration of the Agreement to not engage in, a boycott of goods or services from Israel, as that term is defined in A.R.S § 35-393.
8. **Uyghur Forced Labor Prevention Act (UFLPA).** Contractor certifies that it does not currently, and during the term of this Agreement, will not use:
 - (a) the forced labor of ethnic Uyghurs in the People’s Republic of China;
 - (b) any goods or services produced by the forced labor of ethnic Uyghurs in the People’s Republic of China; and
 - (c) any contractors, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People’s Republic of China.
9. **Attestation of PCI Compliance.** When applicable, the Contractor will provide the City annually with a Payment Card Industry Data Security Standard (PCI DSS) attestation of compliance certificate signed by an officer of Contractor with oversight responsibility.
10. **Ratification of Agreement.** City and Contractor hereby agree that except as expressly provided herein, the provisions of the Agreement shall be, and remain in full force and effect and that if any provision of this Amendment conflicts with the Agreement, then the provisions of this Amendment shall prevail.

[Signatures on the following page.]

CITY OF GLENDALE, an Arizona
municipal corporation

Kevin R. Phelps, City Manager


ATTEST:

Julie K. Bower, City Clerk (SEAL)

APPROVED AS TO FORM:

Michael D. Bailey, City Attorney

Wilson Engineers, LLC
an Arizona limited liability company



By: Stephen Todd

Its: Principal



1620 W Fountainhead Pkwy, Suite 501
Tempe, AZ 85282
480-893-8860 | 480-493-8968 Fax
Wilson-Engineers.com

February 13, 2025

Martin Soma
City of Glendale
Engineering Department, 3rd Floor
5850 West Glendale Avenue
Glendale, AZ 85301

Re. Project Number 212233.3
City of Glendale
Thunderbird Reservoir and Distribution Improvements
Scope of Services – Contract EXHIBIT A

Marty,

We are pleased to submit this proposal to provide Engineering Services associated with the Thunderbird Reservoir and Distributions Improvements Project. Attached is our proposed Scope of Services to provide construction phase engineering services and to make the Thunderbird Reservoir Improvements Phase 2 a separate project from the Zone 2/3 Distribution Improvements.

Thank you for the opportunity to work on this project. If you have any questions regarding this proposal or need additional information please do not hesitate to contact me at (480) 893-8860.

WILSON ENGINEERS

A handwritten signature in blue ink that reads "Steve Todd".

Steve Todd, P.E.
Principal

City of Glendale, Arizona
Thunderbird Reservoir and Distribution Improvements

February 13, 2025

The City of Glendale owns and operates the Thunderbird Reservoir which is utilized to store water and maintain the hydraulic grade of the Pressure Zone 2 in the City's potable water distribution system. The Thunderbird Reservoir facility was installed in the mid 1980's and several components at the facility are near the end of their useful life. The purpose of this project is to rehabilitate the existing facility by replacing and upgrading several components of the facility. The City has performed an evaluation of the existing facility and identified several items in need of replacement. The design of the second phase of this project (Phase 2) is underway and includes additional improvements at the reservoir as well as at the adjacent pressure reducing valve station and a new Zone 2 to Zone 3 booster station. This scope is for the construction phase engineering services and additional design efforts. The following major facility components and services are assumed to be included in this portion of this project:

Task 4.3 Project Design Meetings. The Engineer will conduct meetings and/or workshops with City Staff to discuss specific technical aspects of the design; progress in the development of the design, drawings, and specifications; and related issues that may affect Project results. The Engineer will prepare and distribute meeting agenda. A total of five additional progress meetings (including workshops) are included in this scope to support the lengthen design period.

TASK 4.4 PERMITS

MCESD ATC. The Engineer shall prepare the Approval to Construct Application and coordinate with the City for signatures. The Engineer shall then submit one set of the agency review plans and specifications to the Maricopa County Environmental Services Department for review. One review meeting will be conducted to discuss any comments received from the County. The Engineer shall respond to the County's comments and incorporate the comments into the Final Construction Documents.

City of Glendale Building Safety. The Engineer shall complete the Building Permit application and related requirements and submit the Agency Review Plans and Specifications to the City Building Safety Department for approval. The Engineer shall coordinate with the Building Safety Department and provide additional information as requested.

ADWR Jurisdictional Dam Construction Permit. The Engineer shall complete the ADWR Permit application and related requirements (Construction Quality Assurance Plan Report) and submit the Agency Review Plans and Specifications to the ADWR for approval. The Engineer shall coordinate with ADWR and provide additional information as requested.

TASK 4.6 DESIGN SUBPHASE

Preparation of Agency Review Construction Documents (90%). The Engineer shall prepare preliminary (90%) construction documents for including plans and specifications. The plans shall incorporate the comments received on the 60% submittal and the review meeting. The Engineer will submit one (1) electronic copy (in .pdf format) to the City and Contractor. In addition, electronic copies (in .pdf format) will be provided to MCESD for Approval to Construct. An Agency review design workshop will be conducted to discuss any comments received from the City, Contractor, and MCESD.

Preparation of 100% Plans and Specifications. The final 100% plans and specifications will be prepared incorporating the City and Maricopa County's comments. The Engineer will submit one (1) electronic copy (in .pdf format) to the Final plans and specifications to the City and Contractor.

TASK 4.8.2 CONSTRUCTION ADMINISTRATION SUBPHASE

Construction Schedule Review. The Engineer shall review the construction schedule with particular emphasis on assuring that reasonable time allowances have been made for the work required. The Engineer shall observe construction progress and maintain and issue a monthly construction observation report. All updated schedules must be reviewed and approved prior to issuance of monthly progress payments to the Contractor.

Preconstruction Conference. Conduct a preconstruction conference with the Contractor, the City and other interested parties prior to issuance of the Notice to Proceed.

Conduct Project Meetings. The Engineer shall conduct bi-weekly construction project meetings, prepare an agenda and minutes of the meeting, and distribute to all attendees.

Construction Observations. The Engineer shall provide on-site construction observation services for all items of work required by the contract documents. The Engineer shall monitor construction for compliance with the project plans and specifications. The on-site representative shall be available for a minimum of 50 percent of the contract construction

period. The on-site representative shall visit the project site during the course of critical construction activities, but not less than two times per week, depending on the status of work per the Contractor's construction schedule.

Weekly Status Reports. The Engineer shall compile weekly construction status reports which summary the areas of work, quantities of completed work, materials delivered, tests conducted, and any other pertinent construction activities.

Review Contractors Payment Applications. Review the Contractor's initial and updated schedule of estimated monthly payments and advise the City as to acceptability. Review the Contractor's monthly payment requests, and forward to the City for final approval and processing. The Engineer's review shall be for the purpose of making an independent opinion of work completed and mathematical check of the Contractor's payment request. Engineer is responsible for verifying the quantities of work which are the basis of the payment requests. The final monthly pay requests will be approved and processed by the City.

Submittal Reviews. The Engineer shall review and approve all shop drawings. The Engineer will advise the Contractor before the commencement of any work requiring a shop drawing or sample submission if the submission has not been accepted by Engineer. The Engineer shall maintain a submittal log and coordinate all reviews and any necessary resubmittals.

RFI's and Change Order Requests. The Engineer will interpret construction contract documents and respond when requested by the City or Contractor for a clarification. The Engineer shall review and make recommendations on all change order requests from the Contractor, including applications for extension of construction time. Evaluate the cost and scheduling aspects of all change orders. No change order shall be implemented without the prior approval of the City.

TASK 4.8.2 CLOSEOUT SUBPHASE

As-Built Drawings and O&M Manual Review. The Engineer shall review the record as-built drawings and O&M Manuals as compiled by the Contractor.

Substantial and Final Completion. Upon substantial completion, inspect the construction work and prepare a punch-list of those items to be completed or corrected before final completion of the project. Submit results of the inspection to the City and the Contractor. The Engineer will maintain a running deficiency list and keep the Contractor informed as to its current status. The Engineer will conduct, with the assistance of the City, a final inspection



and prepare a final punch list, including all items remaining on the deficiency list, as well as any additional items discovered during the final inspection.

MCESD AOC. The Engineer shall prepare the Engineers Certificate of Completion and application required for submittal to the Maricopa County Environmental Services Department (MCESD) to obtain the Approval of Construction (AOC) for the project.

END SCOPE OF SERVICES



City of Glendale
Thunderbird Reservoir and Distribution Improvements
Design Services Amendment 1
FEE BREAKDOWN
1/15/2025

I. LABOR SUMMARY

Milestone	Section	Section Description	Total Fee
1	4.3	Project Design Meetings (5 Months)	\$ 38,920
1	4.4.2	Permits (MCESD ATC, and Glendale Building Permit)	\$ 3,876
1	4.4.2	Permits (ADWR)	\$ 15,038
5	4.6.1e	90% Construction Documents Subphase Submittal	\$ 17,275
6	4.6.1f	100% Construction Documents Subphase Submittal	\$ 18,250
7	4.8.1	Construction Administration Subphase	
7	4.8.1.2	CM@R Schedule Review	\$ 4,000
7	4.8.1.5	Pre-Construction Meeting	\$ 1,200
7	4.8.1.6	Progress Meetings (15 Months)	\$ 97,350
7	4.8.1.7	Schedule of Values Review	\$ 4,000
7	4.8.1.8	Construction Observation	\$ 245,280
7	4.8.1.9	Weekly Status Reports	\$ 15,600
7	4.8.1.10	Certify CM@R Progress Payments	\$ 3,900
7	4.8.1.11	RFI's	\$ 39,300
7	4.8.1.13	Submittal Reviews	\$ 76,220
7	4.8.1.14	Change Order Reviews	\$ 10,536
8	4.8.2	Closeout Subphase	
8	4.8.2.3	Review CM@R As-Built Drawings	\$ 3,900
8	4.8.2.4	Review CM@R Substantial Completion Punchlist	\$ 2,688
8	4.8.2.5	Review O&M Manuals	\$ 7,616
8	4.8.2.6	Prepare As-Built	\$ 20,882
8	4.8.2.7	Final Completion Inspection	\$ 2,840
9	4.8.3.1	First Warranty Walkthrough	\$ 1,420
		Subtotal - Wilson Labor Summary	\$ 630,091

II. REIMBURSEABLE EXPENSE/ALLOWANCE SUMMARY

Milestone	Task No.'s	Expense Description	Total
10	1.0	100% Structural Design - Blower No. 1	\$ 12,850
10	1.0	100% Structural Design - Blower No. 2	\$ 21,000
10	1.0	Structural Construction Administration and Inspection	\$ 25,275
10	1.0	Subtotal Structural - Gannett Fleming	\$ 59,125
10	1.0	Additional Survey - Entellus	\$ 2,500
10	6.0	MCESD Review Fees	\$ 2,500
10	8.0	Misc. Engineering Allowance	\$ 100,000
		SUBTOTAL - REIMBURSABLE EXPENSE SUMMARY	\$ 164,125

III. TOTAL DESIGN SERVICES

Item	Item	Description	Amount
I.	I.	WILSON LABOR SUMMARY	\$ 630,091
II.	II.	EXPENSE/ALLOWANCE SUMMARY	\$ 164,125
III.	III.	TOTAL DESIGN SERVICES	\$ 794,216



City of Glendale
Thunderbird Reservoir and Distribution Improvements
Design Services Amendment 1
FEE BREAKDOWN
1/15/2025

I. LABOR SUMMARY

Milestone	Section	Section Description	Principal / Sr Professional \$ 245.00	Sr Project Manager \$ 225.00	Senior Engineer \$ 172.00	Project Engineer \$ 145.00	Construction Inspector \$ 130.00	CADD Technician \$ 110.00	Admin \$ 75.00	Total Hours	Total Fee
1	4.3	Project Design Meetings (5 Months)	20	60	60	60			20	220	\$ 38,920
1	4.4.2	Permits (MCESD ATC, and Glendale Building Permit)		4	8	8		4	0	24	\$ 3,876
1	4.4.2	Permits (ADWR)	2	8	24	24		44	4	106	\$ 15,038
5	4.6.1e	90% Construction Documents Subphase Submittal	2	15	30	30		30	8	115	\$ 17,275
6	4.6.1f	100% Construction Documents Subphase Submittal	2	20	30	30		30	6	118	\$ 18,250
7	4.8.1	Construction Administration Subphase									
7	4.8.1.2	CM@R Schedule Review		8		8	8			24	\$ 4,000
7	4.8.1.5	Pre-Construction Meeting	2	2			2			6	\$ 1,200
7	4.8.1.6	Progress Meetings (15 Months)	30	180		180	180			570	\$ 97,350
7	4.8.1.7	Schedule of Values Review		8		8	8			24	\$ 4,000
7	4.8.1.8	Construction Observation		120	240	360	960			1680	\$ 245,280
7	4.8.1.9	Weekly Status Reports					120			120	\$ 15,600
7	4.8.1.10	Certify CM@R Progress Payments					30			30	\$ 3,900
7	4.8.1.11	RFI's	8	30	70	70	30		60	268	\$ 39,300
7	4.8.1.13	Submittal Reviews	8	40	130	180	60		120	538	\$ 76,220
7	4.8.1.14	Change Order Reviews	2	18	18	20				58	\$ 10,536
8	4.8.2	Closeout Subphase									
8	4.8.2.3	Review CM@R As-Built Drawings					30			30	\$ 3,900
8	4.8.2.4	Review CM@R Substantial Completion Punchlist		4	4	4	4			16	\$ 2,688
8	4.8.2.5	Review O&M Manuals			8	12			60	80	\$ 7,616
8	4.8.2.6	Prepare As-Built	2	4	16	32		110		164	\$ 20,882
8	4.8.2.7	Final Completion Inspection		8			8			16	\$ 2,840
9	4.8.3.1	First Warranty Walkthrough		4			4			8	\$ 1,420
Subtotal - Wilson Labor Summary			\$ 78	\$ 533	\$ 638	\$ 1,026	\$ 1,444	\$ 218	\$ 278	\$ 4,215	\$ 630,091

II. REIMBURSEABLE EXPENSE/ALLOWANCE SUMMARY

Milestone	Task No.'s	Expense Description	Unit	Total Units	Cost / Unit	Total
10	1.0	100% Structural Design - Blower No. 1	Allowance	1	\$ 12,850	\$ 12,850
10	1.0	100% Structural Design - Blower No. 2	Allowance	1	\$ 21,000	\$ 21,000
10	1.0	Structural Construction Administration and Inspection	Allowance	1	\$ 25,275	\$ 25,275
10	1.0	Subtotal Structural - Gannett Fleming	Allowance	1	-	\$ 59,125
10	1.0	Additional Survey - Entellus	Allowance	1	\$ 2,500	\$ 2,500
10	6.0	MCESD Review Fees	Allowance	1	\$ 2,500	\$ 2,500
10	8.0	Misc. Engineering Allowance	Allowance	1	\$ 100,000.00	\$ 100,000
SUBTOTAL - REIMBURSABLE EXPENSE SUMMARY						\$ 164,125

III. TOTAL DESIGN SERVICES

Item	Item	Description	Amount
I.	I.	WILSON LABOR SUMMARY	\$ 630,091
II.	II.	EXPENSE/ALLOWANCE SUMMARY	\$ 164,125
III.	III.	TOTAL DESIGN SERVICES	\$ 794,216

**City of Glendale
Thunderbird Reservoir and Distribution Improvements
Design and Construction Administration
Inclusions/Exclusions vs Exhibit A Scope of Services**

Section	Description	Included	Excluded
4.1	General Information		X
4.2	Investigation of Existing Conditions		X
4.3	Meetings and Communication	X	
4.4	Design Responsibilities		
4.4.1	Identity		X
4.4.2	Code Compliance	X	
4.4.3	Subconsultant Coordination		X
4.4.4	Accessible		X
4.4.5	Sustainable		X
4.4.6	Life-Cycle Model		X
4.4.7	Energy Model		X
4.4.8	Hydrology Report		X
4.4.9	SHPO Coordination		X
4.4.10	Geotechnical Report		X
4.4.11	Project Survey		X
4.5	Furniture, Fixtures and Equipment		X
4.6	Design Review Submittals		
4.6.1a	Program Development Subphase Submittal		X
4.6.1b	Conceptual Design (Design Report) Subphase Submittal		X
4.6.1c	Schematic Design (30% Plans) Subphase Submittal		X
4.6.1d	Design Development (60% Plans and Specs) Subphase Submittal		X
4.6.1e	90% Construction Documents Subphase Submittal	X	
4.6.1f	100% Construction Documents Subphase Submittal	X	
4.7	Design Phase Services and Documents		X
4.8	Construction Phase Services and Documents		
4.8.1	Construction Administration Subphase		
4.8.1.1	Commence		X
4.8.1.2	CM@R Schedule Review	X	
4.8.1.3	Reserved		X
4.8.1.4	Authority		X
4.8.1.5	Pre-Construction Meeting	X	
4.8.1.6	Progress Meetings	X	
4.8.1.7	Schedule of Values Review	X	
4.8.1.8	Construction Observation	X	
4.8.1.9	Weekly Status Reports	X	
4.8.1.10	Certify CM@R Progress Payments	X	
4.8.1.11	RFI's	X	
4.8.1.12	Respond to Claims		X
4.8.1.13	Submittal Reviews	X	
4.8.1.14	Change Order Reviews	X	
4.8.1.15	Direct Changes		X
4.8.1.16	Rejection of Work		X
4.8.1.17	Notification of Refusal to perform Work		X
4.8.1.18	Perform DP Responsibilities in CM@R Contract		X
4.8.1.19	Written Changes Required		X
4.8.2	Closeout Subphase		
4.8.2.1	Schedule pre-closeout meeting		X
4.8.2.2	Review Closeout Documents		X
4.8.2.3	Review CM@R As-Built Drawings	X	
4.8.2.4	Review CM@R Substantial Completion Punchlist	X	
4.8.2.5	Review O&M Manuals	X	
4.8.2.6	Prepare As-Builts	X	
4.8.2.7	Final Completion Inspection	X	
4.8.2.8	Claims		X
4.8.2.9	Keys		X
4.8.3	CM@R Warranty Subphase		
4.8.3.1	First Warranty Walkthrough	X	
4.8.3.2	MEP Testing and Balancing		X
4.8.3.3	Second Warranty Walkthrough		X



Gannett Fleming, West Structures

January 3, 2025
P23-036 Blower Support

Subject: City of Glendale – Thunderbird Reservoir and Distribution Improvements
Design and Construction Administration and Inspection Services
Two Blowers - Support Over Reservoir Roof

Client: Wilson Engineers

Structural Scope of Services

Description of Project

Gannett Fleming will provide structural 90% and 100% engineering design for the construction of the two blowers supported above the reservoir as outlined below. These services shall be designed in accordance with the 2018 IBC with City of Glendale addendums and the standard of care for structural engineering in the state of Arizona,

Project Location: 67th Avenue, north of Deer Valley Road.
North of 22675 N. 67th Avenue.

Scope of Services

1. Attend meetings by remote conference.
2. Prepare 90% and 100% structural calculations and design sketches for:
 - a. Support system for elevating the two blower units above the reservoir roof: **Blower No. 1** (project northwest direction) (blower near the site entrance) and **Blower No. 2** (project southeast direction) (blower near the existing overflow structure).
 - b. Concrete foundations for blower support system.
3. Deliver structural drawings for the 90% and 100% submittals.
4. Provide structural responses to Wilson and City drawing review comments for the 90% and 100% submittals.
5. Perform quality planning, quality control, and quality assurance in conformance with GF project management guidelines, including internal reviews for drawing verification, calculations verification, and constructability.
6. Construction phase services are included in this scope of services.
7. Review of specifications for structural coordination and edit are not included in this scope of services.
8. Gannett Fleming will not provide construction estimates or opinion of probable construction cost.

Gannett Fleming, Inc.

Suite 1900 • 3838 N. Central Avenue • Phoenix, AZ 85012-1957
t: 602.553.8817 • f: 602.553.8816
www.gannettfleming.com

Assumptions and Conditions:

1. Wilson will provide GF with a geotechnical report for the project.
2. Existing drawings will be provided by the owner and/or Wilson.
3. Architectural, mechanical, electrical, civil, survey etc. will be provided by others.
4. Design of pavement for truck and vehicle traffic will be designed by others.
5. Gannett Fleming will not be responsible for construction means and methods or job site safety.
6. Compensation for mileage for site visits or inspections are not included.

Compensation and Payments:

Gannett Fleming, Inc. proposes to perform the structural services described above and in the attached schedule for **Time and Material – Not to Exceed (T&M – N2E)** compensation fee and billed monthly for:

1.	Blower No. 1 – 90% & 100% Design	\$ 12,850.00
2.	Blower No. 2 – 90% & 100% Design	\$ 21,000.00
3.	Blower No. 1 & 2 – Construction Administration and Inspection Services	\$ 25,275.00
	TOTAL =	<u>\$ 59,125.00</u>

See the Schedule of Services on the following pages

Design services: Blower No. 1

Project Name BLOWER NO. 1	*Principal	*Senior Project Manager	*Project Engineer	*Senior CADD Technician	*Administrative Assistant	Total
<u>Tasks</u>						
Project Management	2	4			3	9
Specifications - not included						0
Submittals: 90% & 100% Design						
<u>Sheet List</u>						0
						0
Blower Cantilever Support		12		10		22
Sections & details		14		16		30
QA/QC		6		6		12
Total hours	2	36	0	32	3	73
Hourly rate	\$ 270.00	\$ 225.00	\$ 170.00	\$ 125.00	\$ 70.00	
Fee by category	\$ 540.00	\$ 8,100.00	\$ -	\$ 4,000.00	\$ 210.00	
Total labor					\$ 12,850.00	
Miscellaneous expense					\$ -	
Blower No. 1 Finalize Design - T&M N2E					\$ 12,850.00	
<u>Additional Personnel</u>	<u>Hourly Rate</u>					
Senior Engineer	\$ 215.00					
Project Manager	\$ 190.00					
Senior Designer	\$ 150.00					
Structural Engineer	\$ 150.00					
CADD Technician	\$ 105.00					
Designer (EIT)	\$ 105.00					
Senior Inspector	\$ 145.00					
Inspector	\$ 115.00					

Design services: Blower No. 2

Project Name BLOWER NO. 2	*Principal	*Senior Project Manager	*Project Engineer	*Senior CADD Technician	*Administrative Assistant	Total
Tasks						
Project Management	2	4			3	9
Specifications - not included						0
Submittals: 90% & 100% Design						
Sheet List						0
						0
Blower Cantilever Support		26		10		36
Sections & details		30		20		50
QA/QC		10		6		16
Total hours	2	70	0	36	3	111
Hourly rate	\$ 270.00	\$ 225.00	\$ 170.00	\$ 125.00	\$ 70.00	
Fee by category	\$ 540.00	\$ 15,750.00	\$ -	\$ 4,500.00	\$ 210.00	
Total labor					\$ 21,000.00	
Miscellaneous expense					\$ -	
Blower No. 2 Design - T&M N2E					\$ 21,000.00	
Additional Personnel	Hourly Rate					
Senior Engineer	\$ 215.00					
Project Manager	\$ 190.00					
Senior Designer	\$ 150.00					
Structural Engineer	\$ 150.00					
CADD Technician	\$ 105.00					
Designer (EIT)	\$ 105.00					
Senior Inspector	\$ 145.00					
Inspector	\$ 115.00					

City of Glendale
Thunderbird Reservoir and Distribution Improvements
Amendment 1 Sheet List for Second Construction Plan Set
1/15/2024

Sheet	Description	Revised	New
G-300	Overall Site Plan	X	
C-300	Overall Grading Plan	X	
C-301	Grading and Drainage Plan 1	X	
C-302	Grading and Drainage Plan 2	X	
M-100	Blower 1 Plan & Sections	X	
M-110	Blower 2 Plan & Sections	X	
M-150	Sodium Hypochlorite Plan and Sections		X
M-155	Sodium Hypochlorite Section and Details		X
S-100	Blower 1 Cantilever Support		X
S-101	Blower 1 Cantilever Support Sections & Details		X
S-102	Blower 2 Cantilever Support		X
S-103	Blower 2 Cantilever Support Sections & Details		X
E-100	Electrical Single Line Diagram	X	
E-101	Electrical Panel Schedules	X	
E-400	Reservoir Site Plan	X	
E-401	Reservoir Chlorination System Plan		X
E-101	Reservoir P&ID - 1	X	
E-102	Reservoir P&ID - 2		X

City of Glendale
Thunderbird Reservoir and Distribution Improvements
Wed 1/15/25

ID	Task Name	Duration	Start	Finish	Timeline																				
					Quarter	Sep	Nov	1st Quarter			3rd Quarter			1st Quarter			3rd Quarter			1st Quarter					
					Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May				
1	Thunderbird Reservoir and Distribution Improvements Project	908 days	Wed 10/18/23	Fri 4/9/27	[Project Summary Bar]																				
2	1.0 Preliminary Design	196 days	Wed 10/18/23	Wed 7/17/24	[Preliminary Design Bar]																				
3	1.1 Design Development	0 days	Wed 10/18/23	Wed 10/18/23	◆ 10/18																				
5	1.2 Data Collection, Review, and Design Coordination	35 days	Wed 10/18/23	Tue 12/5/23	[Task Bar]																				
9	1.3 Design Basis Report/30% Design	161 days	Wed 12/6/23	Wed 7/17/24	[Task Bar]																				
13	2.0 Contract Document Preparation	199 days	Thu 7/18/24	Tue 4/22/25	[Task Bar]																				
14	2.1 Preparation of 60% Construction Documents	76 days	Thu 7/18/24	Thu 10/31/24	[Task Bar]																				
18	2.2 Preparation of BPS 90% Plans and Specifications	60 days	Fri 11/1/24	Thu 1/23/25	[Task Bar]																				
19	2.2.1 90% Plan, Specs, and Final Design Report	46 days	Fri 11/1/24	Fri 1/3/25	[Task Bar]																				
20	2.2.2 City Review	14 days	Mon 1/6/25	Thu 1/23/25	[Task Bar]																				
21	2.2.3 Design Workshop Meeting	1 day	Wed 1/15/25	Wed 1/15/25	◆ 1/15																				
22	2.3 Preparation of TB 90% Plans and Specifications	128 days	Fri 10/25/24	Tue 4/22/25	[Task Bar]																				
23	2.3.1 Blower Alternatives Evaluation and Cost Estimate	38 days	Fri 10/25/24	Tue 12/17/24	[Task Bar]																				
24	2.3.2 City Meeting	1 day	Wed 12/18/24	Wed 12/18/24	[Task Bar]																				
25	2.3.3 Contract Amendment Processing	50 days	Thu 12/19/24	Wed 2/26/25	[Task Bar]																				
26	2.3.4 90% Plan, Specs, and Final Design Report	25 days	Thu 2/27/25	Wed 4/2/25	[Task Bar]																				
27	2.3.5 City Review	14 days	Thu 4/3/25	Tue 4/22/25	[Task Bar]																				
28	2.3.6 Design Workshop Meeting	1 day	Wed 4/16/25	Wed 4/16/25	◆ 4/16																				
29	3.0 Permitting Services	123 days	Mon 1/6/25	Wed 6/25/25	[Task Bar]																				
30	3.1 BPS Permitting	55 days	Mon 1/6/25	Fri 3/21/25	[Task Bar]																				
31	3.1.1 ATC and Building Permit Application	10 days	Mon 1/6/25	Fri 1/17/25	[Task Bar]																				
32	3.1.2 Glendale and MCESD Review	20 days	Mon 1/20/25	Fri 2/14/25	[Task Bar]																				
33	3.1.3 Permit Review Comment Responses/100% Submittal	10 days	Mon 2/17/25	Fri 2/28/25	[Task Bar]																				
34	3.1.4 Glendale and MCESD Second Review	15 days	Mon 3/3/25	Fri 3/21/25	[Task Bar]																				
35	3.2 TB Permitting	60 days	Thu 4/3/25	Wed 6/25/25	[Task Bar]																				
36	3.2.1 ADWR, ATC, and Building Permit Application	5 days	Thu 4/3/25	Wed 4/9/25	[Task Bar]																				
37	3.2.2 ADWR, Glendale, and MCESD Review	30 days	Thu 4/10/25	Wed 5/21/25	[Task Bar]																				
38	3.2.3 Permit Review Comment Responses/100% Submittal	10 days	Thu 5/22/25	Wed 6/4/25	[Task Bar]																				
39	3.2.4 ADWR, Glendale, and MCESD Second Review	15 days	Thu 6/5/25	Wed 6/25/25	[Task Bar]																				
40	4.0 Construction and GMP	590 days	Mon 1/6/25	Fri 4/9/27	[Task Bar]																				
41	4.1 For Construction GMP Development	110 days	Mon 1/6/25	Fri 6/6/25	[Task Bar]																				
42	4.2 Constuction	480 days	Mon 6/9/25	Fri 4/9/27	[Task Bar]																				

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			